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L1	294	Cadden\$.in. or Heywood\$.in.	US-PGPUB; USPAT	OR	ON	2005/08/04 11:38
L2	747	compar\$ adj3 swap\$	US-PGPUB; USPAT	OR	ON	2005/08/04 11:41
L3	1	1 and 2	US-PGPUB; USPAT	OR	ON	2005/08/04 11:39
L4	1	compar\$ adj3 swap\$ same event with handl\$	US-PGPUB; USPAT	OR	ON	2005/08/04 11:43
L5	37	compar\$ adj3 swap\$ same (task or process or thread) same shared	US-PGPUB; USPAT	OR	ON	2005/08/04 12:44
L6	5	compar\$ adj3 swap\$ same (task or process or thread) same shared same (array or list)	US-PGPUB; USPAT	OR	ON	2005/08/04 11:44
L7	10	("5093912"   "5579505"   "5613139"   "5742785"   "5893157"   "5937199"   "5968160"   "5983015"   "5991845"   "6128710").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/04 12:21
L8	20	compar\$ adj3 swap\$ same (task or process or thread) same shared	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/04 13:46
L9	7	obligation adj3 pass\$	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/04 13:46


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 Terms used **compare** and **swap data shared**

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- 1 [A simple and correct shared-queue algorithm using Compare-and-Swap](#)

Janice M. Stone  
November 1990 **Proceedings of the 1990 ACM/IEEE conference on Supercomputing**

Full text available: [pdf\(929.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)
- 2 [Shared memory and architecture: DCAS is not a silver bullet for nonblocking algorithm design](#)

Simon Doherty, David L. Detlefs, Lindsay Grove, Christine H. Flood, Victor Luchangco, Paul A. Martin, Mark Moir, Nir Shavit, Guy L. Steele  
June 2004 **Proceedings of the sixteenth annual ACM symposium on Parallelism in algorithms and architectures**

Full text available: [pdf\(151.24 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)
- 3 [Algorithms for scalable synchronization on shared-memory multiprocessors](#)

John M. Mellor-Crummey, Michael L. Scott  
February 1991 **ACM Transactions on Computer Systems (TOCS)**, Volume 9 Issue 1

Full text available: [pdf\(3.07 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)
- 4 [A simple, fast and scalable non-blocking concurrent FIFO queue for shared memory multiprocessor systems](#)

Philippas Tsigas, Yi Zhang  
July 2001 **Proceedings of the thirteenth annual ACM symposium on Parallel algorithms and architectures**


Full text available: [pdf\(342.65 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)
- 5 [Simple, fast, and practical non-blocking and blocking concurrent queue algorithms](#)

Maged M. Michael, Michael L. Scott  
May 1996 **Proceedings of the fifteenth annual ACM symposium on Principles of distributed computing**

Full text available: [pdf\(860.15 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)
- 6 [Computing with faulty shared objects](#)

Yehuda Afek, David S. Greenberg, Michael Merritt, Gadi Taubenfeld  
November 1995 **Journal of the ACM (JACM)**, Volume 42 Issue 6

Full text available: Additional Information:

 [pdf\(3.27 MB\)](#)[full citation](#), [references](#), [citations](#), [index terms](#)

7 Computing with faulty shared memory

Yehuda Afek, David S. Greenberg, Michael Merritt, Gadi Taubenfeld

October 1992 **Proceedings of the eleventh annual ACM symposium on Principles of distributed computing**

Full text available:  [pdf\(1.30 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

8 A methodology for implementing highly concurrent data structures

M. Herlihy

February 1990 **ACM SIGPLAN Notices , Proceedings of the second ACM SIGPLAN symposium on Principles & practice of parallel programming**, Volume 25 Issue 3

Full text available:  [pdf\(1.07 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

9 Parallelism in processing queries on complex objects

T. Harder, H. Schoning, A. Sikeler

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10 Nonblocking memory management support for dynamic-sized data structures

Maurice Herlihy, Victor Luchangco, Paul Martin, Mark Moir


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11 Shared memory objects: An almost non-blocking stack

Hans-J. Boehm

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12 Lock-free linked lists using compare-and-swap

John D. Valois

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13 Parallel processing architecture for the Hitachi S-3800 shared-memory vector multiprocessor

Katsuyoshi Kitai, Tadaaki Isobe, Yoshikazu Tanaka, Yoshiko Tamaki, Masakazu Fukagawa, Teruo Tanaka, Yasuhiro Inagami

August 1993 **Proceedings of the 7th international conference on Supercomputing**


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14 Disjoint-access-parallel implementations of strong shared memory primitives

Amos Israeli, Lihu Rappoport

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15 Locking without blocking: making lock based concurrent data structure algorithms

nonblocking

John Turek, Dennis Shasha, Sundeep Prakash

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Ricardo Bianchini, Enrique V. Carrera, Leonidas Kontothanassis

June 1997 **ACM SIGPLAN Notices , Proceedings of the sixth ACM SIGPLAN symposium on Principles and practice of parallel programming**, Volume 32 Issue 7Full text available:  pdf(920.59 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)17 Removing the overhead from software-based shared memory


Zoran Radović, Erik Hagersten

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Cynthia Dwork, Maurice Herlihy, Orli Waarts

November 1997 **Journal of the ACM (JACM)**, Volume 44 Issue 6Full text available:  pdf(154.50 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)19 Empirical studies of competitive spinning for a shared-memory multiprocessor

Anna R. Karlin, Kai Li, Mark S. Manasse, Susan Owicki

September 1991 **ACM SIGOPS Operating Systems Review , Proceedings of the thirteenth ACM symposium on Operating systems principles**, Volume 25 Issue 5Full text available:  pdf(1.46 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)20 Synchronization without contention

John M. Mellor-Crummey, Michael L. Scott

April 1991 **Proceedings of the fourth international conference on Architectural support for programming languages and operating systems**, Volume 19 , 25 , 26 Issue 2 , Special Issue , 4Full text available:  pdf(1.12 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

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